

Title (en)
SECURITY DEVICE FOR AN ELECTRICALLY DRIVEN TOOL

Publication
EP 0205730 B1 19900411 (DE)

Application
EP 86101050 A 19860127

Priority
DE 3520099 A 19850605

Abstract (en)
[origin: US4739435A] A safety device for an electric power tool, especially a portable tool. It has a main switch, electronic controls, a tachometer-generator, and a relay. The relay electrically parallels the motor, acts on the supply of current to the motor through a relay contact, and is activated through the tachometer-generator and through a subsequent safety circuit. To provide a means of switching off the motor at excessively high speeds that will be inexpensive to manufacture and that will maintain a constant switch-off reference speed throughout its life, the safety circuit consists of a synchronization stage, an adjustable timer stage, a processing stage, an ignition amplifier, and an output section.

IPC 1-7
H02H 7/093

IPC 8 full level
B25B 21/00 (2006.01); **B25F 5/00** (2006.01); **H02H 7/093** (2006.01)

CPC (source: EP US)
H02H 7/093 (2013.01 - EP US)

Cited by
EP0311776A3; US10137592B2; US10940605B2; US11724413B2

Designated contracting state (EPC)
CH FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0205730 A1 19861230; EP 0205730 B1 19900411; DE 3520099 A1 19861211; JP H0547354 B2 19930716; JP S61279475 A 19861210; US 4739435 A 19880419

DOCDB simple family (application)
EP 86101050 A 19860127; DE 3520099 A 19850605; JP 5028286 A 19860307; US 82205986 A 19860124